



<p>1.0 <input style="width: 90%;" type="text" value="B.Sc."/></p> <p>1.1 <input style="width: 90%;" type="text" value="Major in Computer Science"/></p> <p>1.2 Concentration (Legacy = Concentration/Option) If applicable (30 char. max.) <input style="width: 90%;" type="text" value="Computer Science"/></p> <p>1.3 Minor (with Concentration, if applicable) (30 char. max.)</p> <p>1.4 Category</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> Faculty Program (FP) Major X Joint Major Major Concentration (CON) Minor Minor Concentration (CON) </td> <td style="width: 50%; border: none;"> Honours (HON) Joint Honours Component (HC) Internship/Co-op Thesis (T) Non-Thesis (N) Other Please specify <input style="width: 100%;" type="text"/> </td> </tr> </table> <p>1.5 <input style="width: 90%;" type="text" value="Major Computer Science"/></p>	Faculty Program (FP) Major X Joint Major Major Concentration (CON) Minor Minor Concentration (CON)	Honours (HON) Joint Honours Component (HC) Internship/Co-op Thesis (T) Non-Thesis (N) Other Please specify <input style="width: 100%;" type="text"/>	<p>2.0 Administering Faculty/Unit <input style="width: 90%;" type="text" value="Science"/></p> <p>Offering Faculty/Department <input style="width: 90%;" type="text" value="Science / Computer Science"/></p> <p>3.0 Effective Term of revision or retirement Please give reasons in 5.0 "Rationale" in the case of retirement (Ex. Sept. 2004 = 200409) Retirement</p> <p>Term: <input style="width: 80%;" type="text" value="201201"/></p> <p>4.0 Existing Credit Weight Proposed Credit Weight <input style="width: 60%;" type="text" value="60-63"/> <input style="width: 60%;" type="text" value="60-63"/></p> <p>5.0 Rationale for revised program</p> <div style="border: 1px solid black; padding: 5px; min-height: 150px;"> <p>These are minor changes due to course retirements and title changes. So far, students had to choose either COMP 304 or COMP 303, but as COMP 304 is retired, COMP 303 becomes a required course. Also, we have removed ECSE 508 from the list of complementary courses, as the instructor left McGill and the future of the course is not clear.</p> <p style="text-align: right;"><input type="checkbox"/></p> </div>
Faculty Program (FP) Major X Joint Major Major Concentration (CON) Minor Minor Concentration (CON)	Honours (HON) Joint Honours Component (HC) Internship/Co-op Thesis (T) Non-Thesis (N) Other Please specify <input style="width: 100%;" type="text"/>		

6.0 Revised Program Description (Maximum 150 words)

<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
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7.0 List of existing program and proposed program

Existing program as of Calendar 2010/2011 online

Revised program

MAJOR PROGRAM IN COMPUTER SCIENCE (60-63 credits)

Required Courses (27-30 credits)

COMP 202* (3) Introduction to Computing 1
COMP 206 (3) Introduction to Software Systems
COMP 250 (3) Introduction to Computer Science
COMP 273 (3) Introduction to Computer Systems
COMP 251 (3) Data Structures & Algorithms
COMP 302 (3) Programming Languages & Paradigms
COMP 310 (3) Operating Systems
MATH 222 (3) Calculus 3
MATH 223 (3) Linear Algebra
MATH 240 (3) Discrete Structures 1

*Students who have sufficient knowledge in a programming language are not required to take COMP 202.

Complementary Courses (33 credits)

Students should talk to an academic adviser before choosing their complementary courses.

At least 6 credits selected from:

COMP 330 (3) Theoretical Aspects: Computer Science
COMP 350 (3) Numerical Computing
COMP 360 (3) Algorithm Design Techniques

At least 3 credits selected from:

COMP 303 (3) Software Development
COMP 304(3) Object-oriented Design

3-9 credits selected from:

* Must include at least one of MATH 323 and MATH 340.

MATH 318 (3) Mathematical Logic
MATH 323*(3) Probability
MATH 324 (3) Statistics
MATH 340*(3) Discrete Structures 2

The remaining credits selected from computer science courses at the 300-level or above (except COMP 364, COMP 396, COMP 400, COMP 431) and ECSE 508.

MAJOR PROGRAM IN COMPUTER SCIENCE (60-63 credits)

Required Courses (30-33 credits)

COMP 202* (3) **Foundations of Programming**
COMP 206 (3) Introduction to Software Systems
COMP 250 (3) Introduction to Computer Science
COMP 273 (3) Introduction to Computer Systems
COMP 251 (3) **Algorithms and Data Structures**
COMP 302 (3) Programming Languages & Paradigms
COMP 303 (3) Software Development
COMP 310 (3) Operating Systems
MATH 222 (3) Calculus 3
MATH 223 (3) Linear Algebra
MATH 240 (3) Discrete Structures 1

*Students who have sufficient knowledge in a programming language are not required to take COMP 202.

Complementary Courses (30 credits)

Students should talk to an academic adviser before choosing their complementary courses.

At least 6 credits selected from:

COMP 330 (3) **Theory of Computation**
COMP 350 (3) Numerical Computing
COMP 360 (3) **Algorithm Design**

~~At least 3 credits selected from:~~

~~COMP 303 (3) Software Development
COMP 304(3) Object-oriented Design~~

3-9 credits selected from:

* Must include at least one of MATH 323 and MATH 340.

MATH 318 (3) Mathematical Logic
MATH 323*(3) Probability
MATH 324(3) Statistics
MATH 340*(3) Discrete Structures 2

The remaining credits selected from computer science courses at the 300-level or above (except COMP 364, COMP 396, COMP 400, ~~COMP 431~~), ~~and ECSE 508~~.

Attach extra page(s) as needed

8.0 Consultation with
Related Units

Yes No

Financial Consult Yes No

Attach list of consultations

9. Approvals

Routing Sequence	Name	Signature	Date
Department	<input type="text"/>	<input type="text"/>	<input type="text"/>
Curric/Acad Committee	<input type="text"/>	<input type="text"/>	<input type="text"/>
Faculty 1	<input type="text"/>	<input type="text"/>	<input type="text"/>
Faculty 2	<input type="text"/>	<input type="text"/>	<input type="text"/>
Faculty 3	<input type="text"/>	<input type="text"/>	<input type="text"/>
SCTP	<input type="text"/>	<input type="text"/>	<input type="text"/>
GS	<input type="text"/>	<input type="text"/>	<input type="text"/>
APPC	<input type="text"/>	<input type="text"/>	<input type="text"/>
Senate	<input type="text"/>	<input type="text"/>	<input type="text"/>

Submitted by

Name

Phone

Email

Submission Date

To be completed by ARR:

CIP Code